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C01G 25/02**(21)Application number : **60-011718**(71)Applicant : **SHOKUBAI KASEI KOGYO KK**(22)Date of filing : **23.01.1985**(72)Inventor : **SATO GORO****ARIMA YUSAKU****KOMATSU MICHIO****TANAKA HIROKAZU****TANAKA YOSHITSUNE****SHIMADA TAKEO****(54) PRODUCTION OF POROUS SPHERICAL AND PULVEROUS POWDER
CONSISTING OF METALLIC OXIDE**

(57)Abstract:

PURPOSE: To obtain porous spherical and pulverous powder having a desired grain size by spraying a slurry mixture composed of an inorg. oxide colloid and inorg. oxide gel into gaseous flow.

CONSTITUTION: 10W95pts. colloid liquid of the inorg. oxide or hydrous oxide of Si, Ti, Al, etc. and 5W90pts. gel of the inorg. oxide are mixed to prepare the slurry. The average grain size of the primary particles of such colloid liquid is preferably about $\leq 2,500\text{\AA}$; and the size of the gel is preferably $\leq 1\mu$. Such slurry is sprayed into gaseous flow and is dried. The porous spherical and pulverous powder having 1W20 μ average grain size and about 0.1W0.8cc/g pore volume is obtd. by the above-mentioned method. Such pulverous powder is usable for a filler for ink, toner, release property reformer, etc.

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